

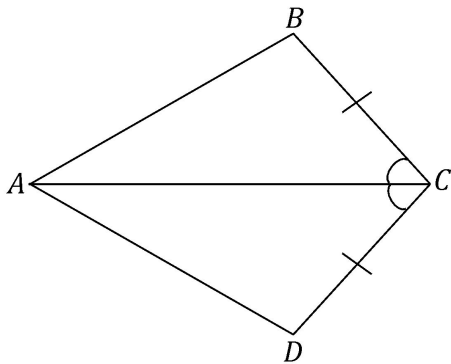
Are They Congruent? - 2

NAME _____

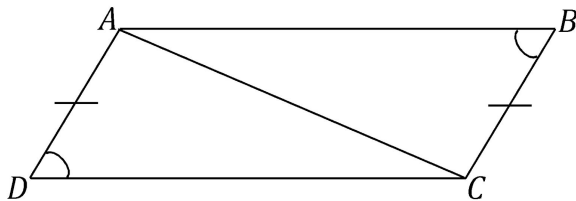
Problem Set

In the following problems, determine whether the triangles are *congruent*, *not congruent*, or *not necessarily congruent*; justify your reasoning. If the relationship between the two triangles yields information that establishes a condition, describe the information or mark it in the drawing. If the triangles are identical, state the congruence theorem and write a triangle correspondence that matches the sides and angles.

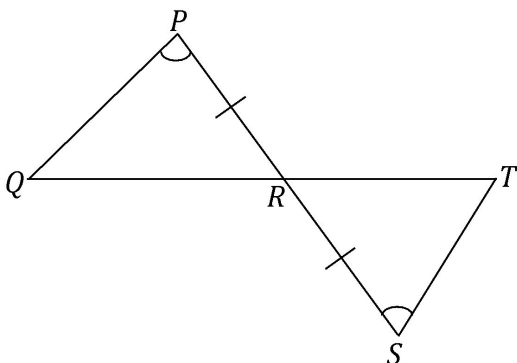
1. **Congruent** **Not Congruent** **Not Necessarily Congruent**



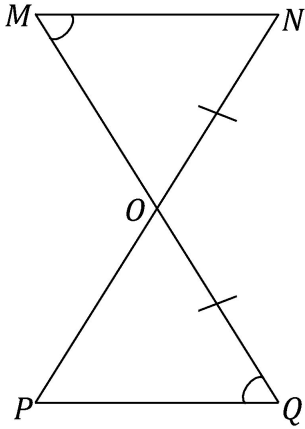
2. **Congruent** **Not Congruent** **Not Necessarily Congruent**



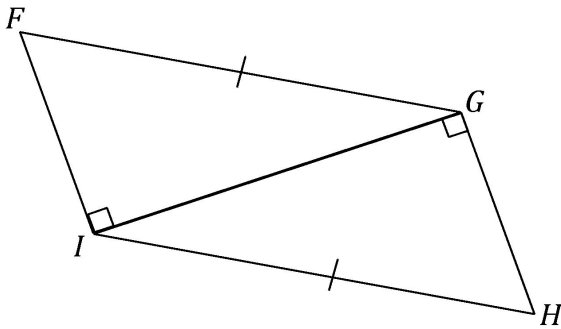
3. **Congruent** **Not Congruent** **Not Necessarily Congruent**



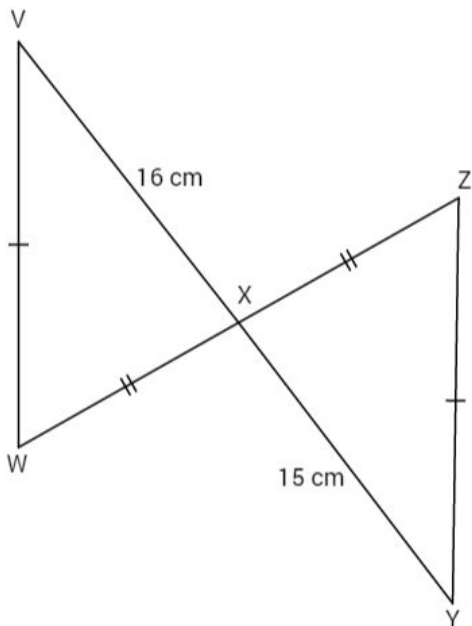
4. **Congruent** **Not Congruent** **Not Necessarily Congruent**



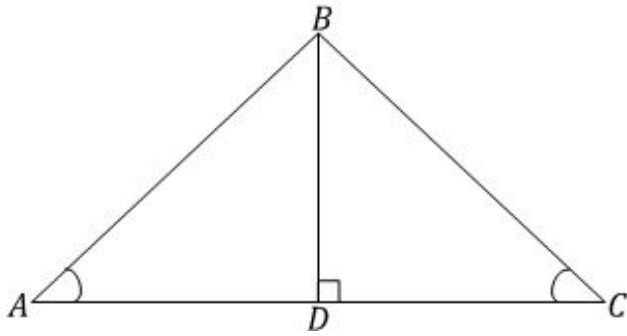
5. **Congruent** **Not Congruent** **Not Necessarily Congruent**



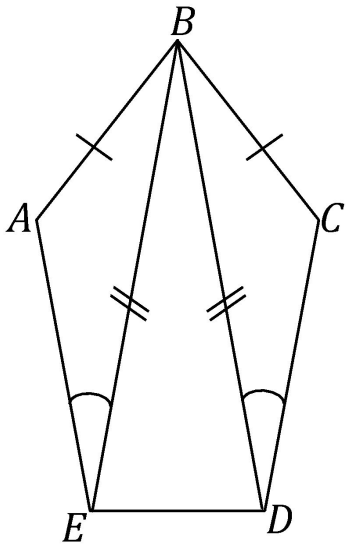
6. **Congruent** **Not Congruent** **Not Necessarily Congruent**



7. Congruent Not Congruent Not Necessarily Congruent



8. Congruent Not Congruent Not Necessarily Congruent



9. Are there any identical triangles in this diagram?

